Anti-GBA Antibody

Alternative Names: GBA, GCB, GLUC, Lysosomal acid glucosylceramidase, Lysosomal acid GCase, Acid beta-glucosidase, Alglucerase, Beta-glucocerebrosidase, Cholesterol glucosyltransferase, D-glucosyl-N-acylsphingosine glucohydrolase, Imiglucerase, lysosomal enzyme glucocerebrosidase, Glucosylceramidase Beta, GCase, EC 3.2.1.45

Catalogue Number: AB19-10120-100ug

Size: 100 µg

Background Information

Lysosomal acid glucosylceramidase (GBA or Glucocerebrosidase) is the lysosomal hydrolase that hydrolyzes glucosylceramide (GC) and glucosylsphingosine (GS) to ceramide and sphingosine. It is a 536-amino-acid membrane-associated protein with a 39-amino-acid leader sequence that is cleaved to produce a 497-amino-acid mature protein.
Mutations in the GBA1 gene cause Gaucher disease, a lysosomal storage disease characterised by an accumulation of glucocerebrosides. Patients with Gaucher disease and heterozygous carriers are at increased risk of developing Parkinson's disease and Dementia with Lewy Bodies.

Product Information

Antibody Type:	Polyclonal	**Host:**	Rabbit
Isotype:	IgG	**Species Reactivity:**	Human

Immunogen: Full length recombinant human GBA

Format: 100 µg in 100 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Storage Conditions: Store at -20°C. Avoid freeze / thaw cycles.

Applications: WB IHC

WB 1:500-2000. IHC 1:50-200.

Additional Information

Subcellular location:	Lysosome	**MW:**	60kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	2629	**Uniprot ID:**	P04062